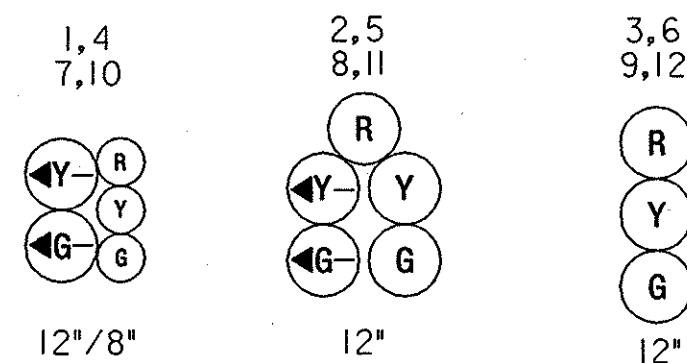
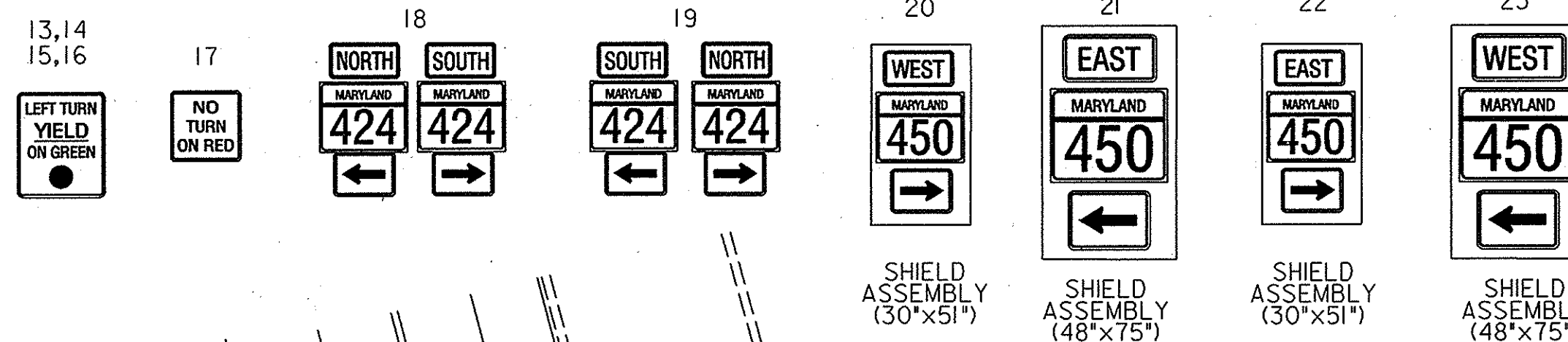


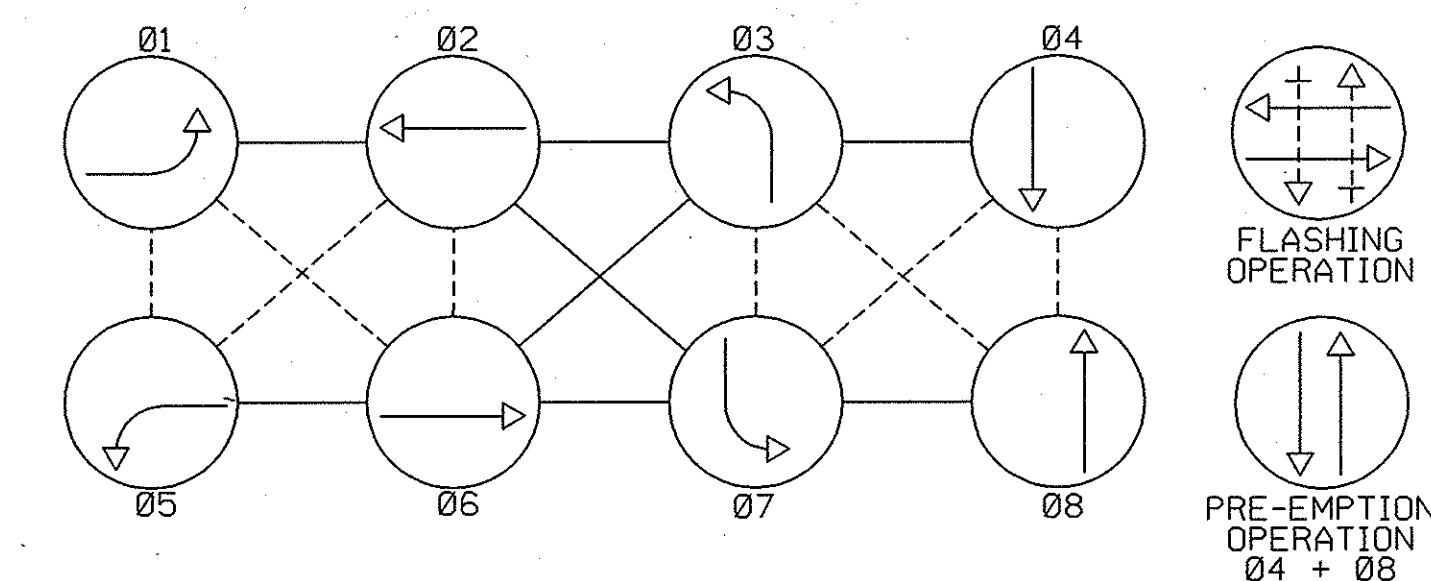
EXISTING LED SIGNALS



EXISTING SIGNS



NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED CAMERAS

VIDEO DETECTION CAMERA (A-D)

VIDEO CAMERA LEGEND

VIDEO CABLE (PATH TO CONTROLLER)

CONSTRUCTION DETAILS

- Install NEMA size "5" pole-mounted cabinet. (Note: SHA Forces shall remove existing controller and equipment from the existing pole mounted cabinet and install all equipment into the new cabinet).
- Pull back existing electrical cables and install 2-3" blind couplings (Note: Maintain 12" from existing blind coupling to be abandoned).

BP STATION

RENO'S RESTAURANT

BGE #118963 C&P

MD 450 (DEFENSE HIGHWAY)

NURSERY

GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
- THE INSTALLATION OF PROPOSED VIDEO DETECTION EQUIPMENT SHALL NECESSITATE THE REMOVAL OF EXISTING CABLES ASSOCIATED WITH THE PRESENCE LOOP DETECTORS BEING REPLACED BY VIDEO DETECTION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	DESCRIPTION	QUANTITY
9043	Controller cabinet, size "5" (with 2-3'LBs)	1 EA
9086	Video detection interface equipment: 1-4 cameras (To be installed by signal shop).	1 EA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
8007	3/4" to 3" blind coupling for traffic signal structures, welded and galvanized.	2 EA
8017	Control cable, 300', video detection camera to controller.	2 EA
8018	Control cable, 100', video detection camera to controller.	2 EA
8028	Remove and dispose of existing material and equipment per assignment.	1 EA

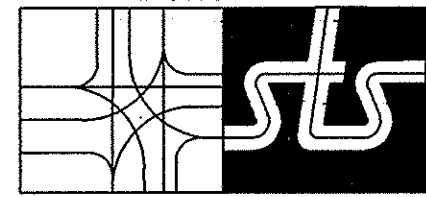
EQUIPMENT LIST (cont)

ITEM NO.	DESCRIPTION	QUANTITY
8029	Remove & reinstall pole mounted cabinet w/ 3'LB	1 EA
8035	Disconnect, pull back and reroute cable.	15 L.F.
8065	Video detector camera.	4 SF
8087	Install controller and cabinet pole mount.	1 EA

UTILITY LEGEND

SD — SD — STORM DRAIN
G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES
F — F — FIBER-OPTIC

REVISION "F"



STREET TRAFFIC STUDIES, LTD.
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Glen Burnie, MD 21061
Ph (410) 590-5500
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5148A.DGN

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 424 (DAVIDSONVILLE ROAD)
AND MD 450 (DEFENSE HIGHWAY)

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE JULY 14, 1979 CONTRACT NO. AA-277-501-585

DESIGNED BY ROBERT LIGON COUNTY ANNE ARUNDEL
DRAWN BY ROBERT LIGONVACAD LOGMILE 02045002.12
CHECKED BY T.I.M.S. NO. H999 G931
F.A.P. NO. TOD NO.

TS NO. 865E DRAWING NO. 1 OF 11 SHEET NO. OF

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
REDLINE NO. 1 AT 7/25/185 7/2/2006
REPLACE LOOP DETECTION WITH VIDEO CAMERAS
ADD OPTICOM DETECTOR FOR NORTHBOUND MD 424
REPLACE ALL SIGNAL HEADS SHA*AT7825185
MOD. EX. SIG. TO FULLY ACT. SIG. E/P LT'S IN ALL DIRECT.
SHA*

PLOTTED: 8/24/2006
FILE: 9/FILES